

IN THE CLAIMS:

Claims 1, 8, 9-11, and 16-20 have been amended herein. Claims 2-5, 13 and 21 are cancelled. All of the pending claims 1-21 are presented below. Claims 12-21 were previously withdrawn. Claims 1-11 are currently under examination. This listing of claims will replace all prior versions and listings of claims in the application. Please enter these claims as amended.

Listing of the Claims:

1. (Currently amended) A cell expressing E1A and E1B proteins of an adenovirus, said cell comprising recombinant nucleic acid encoding an IgA molecule in expressible format, wherein said cell is derived from a PER.C6TM cell as deposited under ECACC number 96022940 by stable transfection of said PER.C6TM cell with the recombinant nucleic acid encoding the IgA molecule in expressible format.

2.- 5. (Cancel ed).

6. (Original) The cell of claim 1, wherein said cell comprises between one and twenty copies of said recombinant nucleic acid encoding the IgA molecule.

7. (Original) The cell of claim 1, wherein said IgA molecule is a human IgA molecule.

8. (Currently amended) ~~The cell of claim 1,~~ A cell expressing E1A and E1B proteins of an adenovirus, said cell comprising recombinant nucleic acid encoding an IgA molecule in expressible format, wherein said cell is derived from a PER.C6TM cell as deposited under ECACC number 96022940 by stable transfection of said PER.C6TM cell with the recombinant nucleic acid encoding the IgA molecule in expressible format, and wherein said IgA molecule has a constant region comprising amino acids 137 to 489 of SEQ. ID. NO. 3 SEQ ID NO:3.

9. (Currently amended) The cell of claim 1, wherein said cell, when seeded at 0.5×10^6 cells/well and cultured in 6-well tissue culture plates at 37°C in DMEM with 10% serum

under an atmosphere containing 10% CO₂, produces at least 5 pg IgA/seeded cell/day.

10. (Currently amended) The cell of claim 9, wherein said cell, when seeded at 0.5 x ~~10⁶~~ 10⁶ cells/well and cultured in 6-well tissue culture plates at 37°C in DMEM with 10% serum under an atmosphere containing 10% CO₂, produces at least 20 pg IgA/seeded cell/day.

11. (Currently amended) The cell of claim 10, wherein said cell, when seeded at 0.5 x ~~10⁶~~ 10⁶ cells/well and cultured in 6-well tissue culture plates at 37°C in DMEM with 10% serum under an atmosphere containing 10% CO₂, produces at least 40 pg IgA/seeded cell/day.

12. (Withdrawn) A method for recombinant production of an IgA molecule, said method comprising:

culturing a cell of claim 1, and
expressing said recombinant nucleic acid encoding an IgA,
thus producing an IgA molecule.

13. (Canceled).

14. (Withdrawn) The method according to claim 12, wherein said cell has from one to twenty copies of said recombinant nucleic acid encoding the IgA molecule.

15. (Withdrawn) The method according to claim 12, wherein said IgA molecule is a human IgA molecule.

16. (Withdrawn-currently amended) The method according to claim 12, wherein said IgA molecule has a constant region comprising amino acids 137 to 489 of ~~SEQ. ID. NO. 3~~ SEQ ID NO:3.

17. (Withdrawn-currently amended) The method according to claim 12, wherein said cell is seeded at 0.5×10^6 cells/well and cultured in 6-well tissue culture plates at 37°C in DMEM with 10% serum under an atmosphere containing 10% CO₂, thus producing at least 5 pg IgA/seeded cell/day.

18. (Withdrawn-currently amended) The method according to claim 12, wherein said cell is seeded at 0.5×10^6 cells/well and cultured in 6-well tissue culture plates at 37°C in DMEM with 10% serum under an atmosphere containing 10% CO₂, thus producing at least 20 pg IgA/seeded cell/day.

19. (Withdrawn-currently amended) The method according to claim 12, wherein said cell is seeded at 0.5×10^6 cells/well and cultured in 6-well tissue culture plates at 37°C in DMEM with 10% serum under an atmosphere containing 10% CO₂, thus producing at least 40 pg IgA/seeded cell/day.

20. (Withdrawn-currently amended) A process for recombinantly producing a human IgA molecule, said process comprising:

~~culturing a human cell expressing E1A and E1B proteins of an adenovirus~~ the cell of claim 1, wherein said cell comprises recombinant nucleic acid encoding a human IgA molecule in expressible format, and

expressing said recombinant nucleic acid encoding an IgA,
thus producing a human IgA molecule.

21. (Canceled).